

IN THE CLAIMS:

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

- 1 1. (Original) A prosthesis adapted for contact with the sclera of an eyeball, said prosthesis comprising:
 - 3 a central body portion having a first end and a second end, at least one end portion extending from either said first or second end of said central body portion, said at least one end portion having a width greater than said central body portion,
 - 6 said central body portion having a bottom surface which is curved along a long axis of said prosthesis,
 - 8 wherein a curvature of said bottom surface is greater than a curvature of an innermost surface of a scleral pocket or tunnel into which said prosthesis is to be implanted,
 - 10 wherein said prosthesis is adapted to expand a portion of a sclera proximate to the scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or tunnel, and
 - 12 wherein said end portion is adapted to rest on a portion of said sclera outside said scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or tunnel and to
 - 14 inhibit rotation of said prosthesis within said scleral pocket or tunnel.

1 2. (Original) The prosthesis according to claim 1, wherein said at least one end portion has
2 a width greater than a width of said scleral pocket or tunnel into which said prosthesis is to be
3 implanted.

1 3. (Currently Amended) The prosthesis according to claim 1, wherein said central body
2 portion prosthesis tapers steeply from a thickness of said central body portion to a thickness of said
3 at least one end portion within a region where said at least one end portion joins said central body
4 portion.

1 4. (Withdrawn) The prosthesis according to claim 1, wherein said at least one end portion
2 has a flat bottom surface.

1 5. (Original) The prosthesis according to claim 1, wherein said prosthesis has an overall
2 arcuate shape.

1 6. (Original) The prosthesis according to claim 1, further comprising:
2 a tapered end portion extending from one of said first or second ends opposite another
3 of said first and second ends from which said at least one end portion extends.

1 7. (Withdrawn) The prosthesis according to claim 1, further comprising:
2 at least one groove within a surface of an end portion extending from one of said first
3 or second ends opposite another of said first and second ends from which said at least one end
4 portion extends.

1 8. (Withdrawn) A vision correction structure, comprising:
2 a plurality of arcuate prostheses positioned within scleral pockets or tunnels around
3 a cornea of an eye.

1 9. (Withdrawn) The vision correction structure according to claim 8, wherein said plurality
2 of arcuate prostheses are equidistantly spaced.

1 10. (Original) A vision alteration structure, comprising:
2 at least one prosthesis for insertion into a pocket or tunnel within a sclera for an eye,
3 comprising:
4 a body having a central portion and at least one end portion integrally formed
5 with and extending from an end of said central portion, said at least one end portion being
6 wider and thinner than said central portion,
7 said central portion having at least one curved surface for contacting an inner
8 surface of said scleral pocket or tunnel into which said prosthesis is to be implanted,
9 wherein said prosthesis is adapted to expand a portion of a sclera proximate
10 to said scleral pocket or tunnel when said prosthesis is inserted within said scleral pocket or
11 tunnel.

1 11. (Original) The vision alteration structure according to claim 10, wherein said at least
2 one end portion rests on a surface of said sclera outside said scleral pocket or tunnel when said
3 prosthesis is inserted within said scleral pocket or tunnel.

1 12. (Withdrawn) The vision alteration structure according to claim 10, wherein said at least
2 one end portion further comprises:

3 two end portions integrally formed with and extending from opposing ends of said
4 central portion, each end portion wider and thinner than said central portion and resting on a surface
5 of said sclera outside said scleral tunnel when said prosthesis is inserted within said scleral tunnel.

1 13. (Original) The vision alteration structure according to claim 10, wherein said at least
2 one end portion is wider than said scleral pocket or tunnel when said prosthesis is inserted within
3 said scleral tunnel.

1 14. (Original) The vision alteration structure according to claim 13, wherein said at least
2 one end portion is sized to pass through said scleral tunnel as said prosthesis is inserted into said
3 scleral tunnel.

1 15. (Currently Amended) The vision alteration structure according to claim 10, wherein a
2 portion of said prosthesis ~~including a region where said central portion as and~~ said at least one end
3 portion join tapers steeply from a thickness of said central portion to a smaller thickness of said at
4 least one end portion.

1 16. (Withdrawn) The vision alteration structure according to claim 10, wherein said at least
2 one end portion has a bottom surface including a flat region.

1 17. (Original) The vision alteration structure according to claim 10, wherein said at least
2 one prosthesis has an overall arcuate or angled shape.

1 18. (Original) The vision alteration structure according to claim 10, further comprising:
2 a tapered end portion integrally formed with and extending from an end of said central
3 portion opposite said at least one end portion.

1 19. (Withdrawn) The vision alteration structure according to claim 10, further comprising:
2 at least one position retaining groove within a surface of an end portion integrally
3 formed with and extending from an end of said central portion opposite said at least one end portion.

1 20. (Currently Amended) A vision correction structure including the vision alteration
2 structure of claim 10, the vision correction structure comprising:

 a plurality of additional prostheses each having a structure of said at least one
 prosthesis, said plurality of additional prostheses and said at least one prosthesis positioned within
5 equidistantly spaced scleral pockets or tunnels around a cornea of an eye.